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Form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/927129
				Filing Date	8/10/2001
				First Named Inventor	Stephen Melvin
				Group Art Unit	2662
				Examiner Name	Hissou Kissan
				Attorney Docket Number	MIPS.0177-00-US
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
MB		20040148382	07-29-2004	Narad et al.	
MB		20050061401	03-24-2005	Tokoro et al.	
MB		20040172471	09-02-2004	Kelvin R. Porter	
MB		20020124262	09-05-2002	Basso et al.	
MB		6249801	06-19-2001	Zisapel et al.	
MB		6219783	04-17-2001	Zahir et al.	
MB		6253313	06-26-2001	Morrison et al.	
MB		6047122	04-04-2000	Cynthia J. Spiller	
MB		5892966	04-06-1999	Petrick et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

Examiner Signature	<i>Majid Benmehal</i>	Date Considered	11/16/05
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				First Named Inventor	STEPHEN MELVIN
				Group Art Unit	2662
				Examiner Name	HISSOU KISSAN
Sheet	1	of	1	Attorney Docket Number	MIPS.0177-00-US

U.S. PATENT DOCUMENTS					
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		Number-Kind Code <sup>2</sup> (if known)			
MB		6131163	10-10-2000	Scott L. Wiegel	
MB		6016308	1-18-2000	Crayford et al.	
MB		6502213	12-31-2002	Michel K. Bowman-Amuah	
MB		5408464	04-18-1995	Mark Jurkevich	

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

Examiner Signature	<i>Mayd Baeckhal</i>	Date Considered	11/16/05
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PTO/SB/08A (08-00)

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	2
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**Complete if Known**

<b>Application Number</b>	NA
<b>Filing Date</b>	08/10/2001
<b>First Named Inventor</b>	Enrique Musoll et al.
<b>Group Art Unit</b>	NA
<b>Examiner Name</b>	NA
<b>Attorney Docket Number</b>	P3828

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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Date	
Considered	

4/16/05

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
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Application Number	09/927,129
Filing Date	08/10/2001
First Named Inventor	Enrique Musoll
Art Unit	2662
Examiner Name	Hassan Kizou
Attorney Docket Number	P3828

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**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
MB		US- 6088745 A *	07-11-2000	Bertagna et al.	
MB		US- 6157955 A *	12-05-2000	Narad et al.	
MB		US- 6169746 B1 *	01-02-2001	Liu et al.	
MB		US- 6226880 B1 *	05-01-2001	Boucher et al.	
MB		US- 5918050 A *	06-29-1999	Rosenthal et al.	
MB		US- 6223274 B1 *	04-24-2001	Cathoor et al.	
MB		US- 6023738 A *	02-08-2000	Priem et al.	
MB		US- 5859797 A *	08-19-1997	Zandveld et al.	
MB		US- 6070202 A *	05-30-2000	Minkoff et al.	
MB		US- 6247105 B1 *	06-12-2001	Goldstein et al.	
MB		US- 5978893 A *	11-02-1999	Bakshi et al.	
MB		US- 5784699 A *	07-21-1988	McMahon et al.	
MB		US- 5634015 A *	05-27-1997	Chang et al.	
MB		US- 5023776 A *	06-11-1991	Gregor, Steven	
MB		US- 4942518 A *	07-17-1990	Weatherford et al.	
MB		US- 4707784 A *	11-17-1987	Ryan et al.	
MB		US- 6009516 A *	12-28-1999	Steiss et al.	
MB		US- 5812810 A *	09-22-1998	Sager, David	
MB		US- 5987578 A *	11-16-1999	Butcher, Lawrence	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>4</sup> Number <sup>5</sup> Kind Code <sup>6</sup> (if known)				

Examiner Signature	<i>Mr. Ba</i>	Date Considered	4/16/05
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Application Number	09/927,129
Filing Date	08/10/2001
First Named Inventor	Enrique Musoll
Art Unit	2662
Examiner Name	Hassan Kizou
Attorney Docket Number	P3828

Sheet 3 of 3

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
MB		* KNUTH, DONALD E., "The Art of Computer Programming, Third Edition, Volume 1: Fundamental Algorithms", "Sec. 2.5 Dynamic Storage Allocation", 1997, pp 435-456, Addison-Wesley, US	
MB		* DIFENDORFF, Keith, K7 Challenges Intel, Microprocessor Report, October 26, 1998, Vol. 12, No. 14, US	

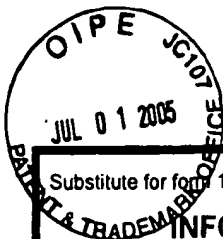
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			First Named Inventor	STEPHEN MELVIN	
			Group Art Unit	2662	
			Examiner Name	HISSOU KISSAN	
Sheet	1	of	4	Attorney Docket Number	MIPS.0177-00-US

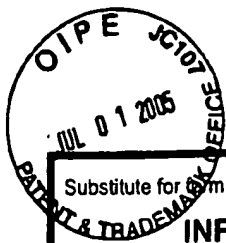
U.S. PATENT DOCUMENTS					
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		Number-Kind Code <sup>2</sup> (if known)			
MB		4200927	04-29-1980	Huges et al.	
MB		5708814	1-13-1998	Short et al.	
MB		5724565	03-03-1998	Dubey et al.	
MB		5784649	07-21-1998	Begur et al.	
MB		6151644	11-21-2000	Chun-Chu Archie Wu	
MB		6453360	09-17-2002	Muller et al.	
MB		6460105	10-01-2001	Jones et al.	
MB		6529515	03-04-2003	Raz et al.	
MB		6523109	02-18-2003	Stephan G. Meier	
MB		6640248	10-28-2003	Jacob W. Jorgensen	
MB		6625808	09-23-2003	David R. Tarditi	
MB		6738371	05-18-2004	Lawrence Ayres	
MB		6738378	05-18-2004	Tuck, III et al.	
MB		6813268	11-02-2004	Kalkunte et al.	
MB		6535905	03-18-2003	Kalafatis et al.	
MB		20010004755	06-21-2001	Levy et al.	
MB		20010005253	06-28-2001	Hiroshi Komatsu	
MB		20010052053	12-13-2001	Nemirovsky et al.	
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MB		20020016883	02-07-2002	Musoll et al.	
MB		20020049964	04-25-2002	Takayama et al.	
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MB		20020071393	06-13-2002	Enric Musoll	
MB		20020083173	06-27-2002	Musoll et al.	
MB		20040213251	10-28-2004	Tran et al.	

Examiner Signature	<i>Mark B. Baruch</i>	Date Considered	4/16/05
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			Group Art Unit	2662	
			Examiner Name	HISOU KISSAN	
Sheet	2	of	4	Attorney Docket Number	MIPS.0177-00-US

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		Number-Kind Code <sup>2</sup> (if known)			
MB		20040172504	09-02-2004	Balazich et al.	
MB		20040015598	01-22-2004	Jin-Fun, Lin	
MB		09/608,750	NA	Nemirovsky et al.	
MB		09/602,279	NA	Nemirovsky et al.	
MB		5559970	09-24-1996	Vinod Sharma	
MB		6614796	09-02-2003	Black et al.	

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
MB	AA	WO 03/005645A2	06-25-2002	Sampath et al.		

NON PATENT LITERATURE DOCUMENTS			
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MB	BA	MELVIN ET AL., "Extended Instruction Set for a Packet Processing Applications," July 5, 2001, Disclosure Document #496559, USPTO	
MB	BB	MUSOLL ET AL., "Hardware Algorithm for Allocating and De-Allocating Consecutive Blocks of Memory," April 3, 2001, Disclosure Document #491557, USPTO	
MB	BC	MUSOLL ET AL., "Mechanism to Overflow Packets to a Software Controlled Memory When They Do Not Fit into a Hardware Controlled Memory," July 3, 2001, Disclosure Document #496391, USPTO	
MB	BD	MUSOLL ET AL., "Mechanism for Allowing a Limited Packet Head and/or Tail Growth Without Moving the Packet to a Different Memory Location," April 16, 2001, Disclosure Document #492429, USPTO	

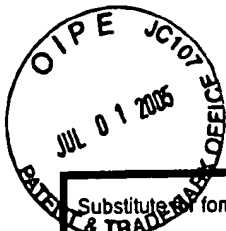
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			Examiner Name	HISSOU KISSAN	
Sheet	3	of	4	Attorney Docket Number	MIPS.0177-00-US

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MB	BE	MUSOLL, ENRIC, "Functional Validation of a Packet Management Unit," May 18, 2001, Disclosure Document #429011, USPTO		
MB	BF	SAMPATH ET AL., "Mechanism to Un-speculatively Pre-fetch Instructions from the Thread Associated to a Packet," April 2, 2001, Disclosure Document #491527, USPTO		
MB	BG	YAMAMOTO, WAYNE. An Analysis of Multistreamed, Superscalar Processor Architectures. University of California Santa Barbara Dissertation. December 1995. Santa Barbara, US.		
MB	BH	YAMAMOTO ET AL. "Increasing Superscalar Performance Through Multistreaming." Parallel Architectures and Compilation Techniques (PACT '95). 1995		
MB	BI	The PowerPC Architecture: A Specification for a New Family of RISC Processors. 2 <sup>nd</sup> Ed. May 1994. pp. 70-72. Morgan Kaufmann. San Francisco, US.		
MB	BJ	MC68020 32-Bit Microprocessor User's Manual. 3 <sup>rd</sup> Ed.. 1989. pp. 3-125, 3-126, and 3-127. Prentice Hall, NJ, US.		
MB	BK	POTEL, M. J. "Real-Time Playback in Animation Systems." Proceedings of the 4 <sup>th</sup> Annual Conference on Computer Graphics and Interactive Techniques. 1977. pp. 72-77. San Jose, CA, US.		
MB	BL	ARM Architecture Reference Manual. 1996. pp. 3-41, 3-42, 3-43, 3-67, and 3-68. Prentice Hall, NJ, US.		
MB	BM	ESA/390 Principles of Operation. IBM Online Publications Center Reference Number SA22-7201-08. Table of Contents and paras. 7.5.31 and 7.5.70. IBM Corporation. Boulder, CO, US.		
MB	BN	MC88110 Second Generation RISC Microprocessor User's Manual. 1991. pp. 10-66, 10-67, and 10-71. Motorola, Inc.		
MB	BO	DIEFENDORFF ET AL. "Organization of the Motorola 88110 Superscalar RISC Microprocessor." IEEE Journal of Microelectronics. April 1992. pp. 40-63. Vol. 12, No. 2. IEEE. New York, NY, US.		

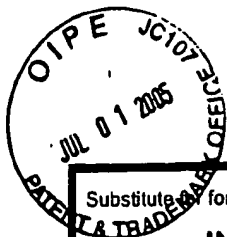
Examiner Signature	<i>Ma Ba</i>	Date Considered	11/10/05
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		Application Number	09/927129		
		Filing Date	8/10/2001		
		First Named Inventor	STEPHEN MELVIN		
		Group Art Unit	2662		
		Examiner Name	HISSOU KISSAN		
Sheet	4	of	4	Attorney Docket Number	MIPS.0177-00-US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
MB	BP	KANE, GERRY. PA-RISC 2.0 Architecture. 1996, pp. 7-106 and 7-107. Prentice Hall. NJ, US.	
MB	BQ	DIEFENDORFF ET AL. "AltiVec Extension to PowerPC Accelerates Media Processing." IEEE Journal of Microelectronics. Vol. 20, No. 2 (2000): pp. 85-95	
MB	BR	GRUNEWALD ET AL. "Towards Extremely Fast Context Switching in a Block Multithreaded Processor." Proceedings of EUROMICRO 22, 1996. pp. 592-599	
MB	BS	BRADFORD ET AL. "Efficient Synchronization for Multithreaded Processors." Workshop on Multithreaded Execution, Architecture, and Compilation. Jan-Feb 1998. pp. 1-4	
MB	BT	PAI ET AL. "An Evaluation of Memory Consistency Models for Shared-Memory Systems with ILP Processors." Proceedings of ASPLOS-VII, Oct. 1996: pp. 12-23, ACM, Inc.	
MB	BU	YOAZ ET AL. "Speculation Techniques for Improving Load Related Instruction Scheduling." 1999. Pages 42-53, IEEE.	
MB	BV	KESSLER, R. E. "The Alpha 21264 Microprocessor: Out-of-Order Execution at 600 MHz." August 1998.	
MB	BW	DONALSON ET AL. "DISC: Dynamic Instruction Stream Computer, An Evaluation of Performance." 26th Hawaii Conference on Systems Sciences. Vol. 1. 1993. Pages 448-456.	
MB	BX	NEMIROVSKY ET AL. "DISC: Dynamic Instruction Stream Computer." ACM. 1991. Pages 163-171	
MB	BY	MUSOLL ET AL. Mechanism to Prevent the Download of a Packet with Pending Writes Affecting Its Data. April 11, 2001. Disclosure Document #492430, USPTO	
MB	BZ	UNGERER ET AL. A Survey of Processors with Explicit Multithreading. ACM Computing Surveys, Vol., 35, No. 1. March 2003. Pages 29-63.	

Examiner Signature		Date Considered	11/16/05
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